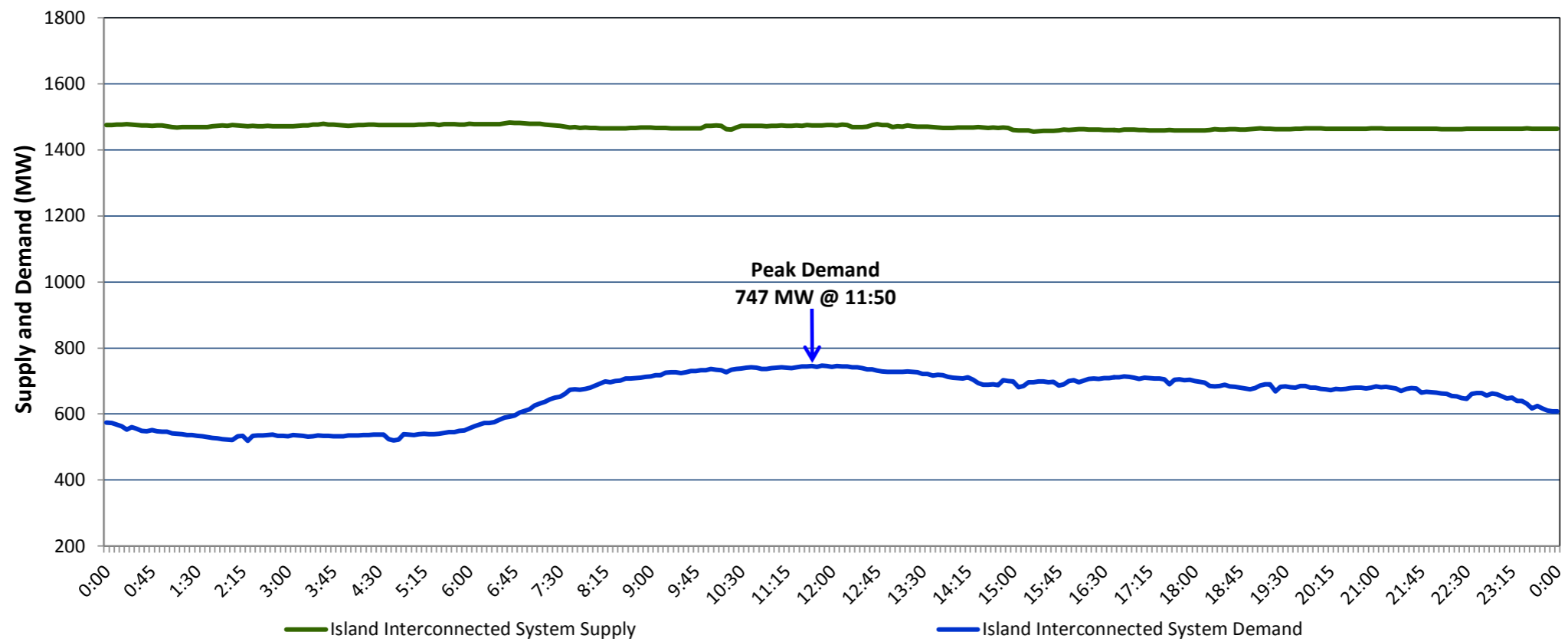


**Newfoundland Labrador Hydro (NLH)  
Supply and Demand Status Report Filed Monday, July 17, 2017**

**Section 1  
Island Interconnected System Supply and Demand  
Actual 24 Hour System Performance For Friday, July 14, 2017**



**Supply Notes For July 14, 2017**

- 1,2
- A As of 2003 hours, May 03, 2017, Bay d'Espoir Unit 3 unavailable due to planned outage (76.5 MW).
  - B As of 1858 hours, June 22, 2017, Stephenville Gas Turbine available at 25 MW (50 MW).
  - C As of 0938 hours, June 23, 2017, Holyrood Unit 1 unavailable due to planned outage 120 MW (170 MW).
  - D As of 1851 hours, July 02, 2017, Holyrood Unit 2 available at 165 MW (170 MW).
  - E As of 0604 hours, July 03, 2017, Bay d'Espoir Unit 2 unavailable due to planned outage (76.5 MW).
  - F As of 1018 hours, July 07, 2017, Granite Canal Unit unavailable due to planned outage (40 MW).
  - G As of 1314 hours, July 11, 2017, St. Anthony Diesel Plant available at 8.85 MW (9.7 MW).
  - H At 2000 hours, July 14, 2017, Holyrood Unit 3 available but offline for economic dispatch (150 MW).

**Section 2  
Island Interconnected Supply and Demand**

Sat, Jul 15, 2017	Island System Outlook <sup>3</sup>	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW) Forecast
			Morning	Evening	
Available Island System Supply: <sup>5</sup>	1,450 MW	Saturday, July 15, 2017	16	17	745
NLH Generation: <sup>4</sup>	1,150 MW	Sunday, July 16, 2017	13	16	760
NLH Power Purchases: <sup>6</sup>	105 MW	Monday, July 17, 2017	20	21	785
Other Island Generation:	195 MW	Tuesday, July 18, 2017	18	20	785
Current St. John's Temperature:	17 °C	Wednesday, July 19, 2017	18	21	775
Current St. John's Windchill:	N/A °C	Thursday, July 20, 2017	19	19	780
7-Day Island Peak Demand Forecast:	790 MW	Friday, July 21, 2017	19	18	790

**Supply Notes For July 15, 2017**

- 3
- Notes:
1. Generation outages for running and corrective maintenance are included. These are not unusual for power system operations. They generally do not impact customer supply. The power system operators schedule outages to system equipment whenever possible to coincide with periods when customer demands are low and sufficient supply reserves are available. However, from time to time equipment outages are necessary and reserves may be impacted.
  2. Due to the Island Interconnected System being isolated from the larger North American grid, when there is a sudden loss of large generating units some customer's load must be interrupted for short periods to bring generation output equal to customer demand. This automatic action of power system protection, referred to as under frequency load shedding, is necessary to ensure the integrity and reliability of system equipment. Under frequency events typically occur 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes.
  3. As of 0800 Hours.
  4. Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
  5. Gross output from all Island sources (including Note 4).
  6. NLH Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Vale capacity assistance (when applicable), and Wind Generation.

**Section 3  
Island Peak Demand Information  
Previous Day Actual Peak and Current Day Forecast Peak**

Fri, Jul 14, 2017	Actual Island Peak Demand <sup>8</sup>	11:50	747 MW
Sat, Jul 15, 2017	Forecast Island Peak Demand		745 MW

Notes: 8. Island Demand is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).